

BCD-87010 _

When ordering replace " _ " with connector type.

Mechanical specifications

Length		
Overall	3393 mm	134 in
Radome	2893 mm	114 in
Diameter	Ø65 mm	Ø2.6 in
4) Weight	12 kg	27 lbs
Wind Area	0.22 m ²	2.4 ft ²
Rated Wind Velocity (Safety factor 2.0)	>253 km/hr	>157 mph
Wind Load @ 100 mph (161 km/hr)	326 N	73 lbs

Antenna consisting of aluminum alloy. Dipoles covered by a polyurethane painted fiberglass radome. **Inverted models available.**

Mounting and Downtilting

Support pipe: Aluminum alloy diameter Ø70 mm (2.8 in), length 500 mm (19.7 in).

Mounting brackets attach to a pipe diameter of Ø50-160 mm (2.0-6.3 in).

Mounting bracket kit #36312000 Standard -or- #36413001 Offset

Cannot Mechanically Downtilt

Electrical specifications

Frequency Range	870-960 MHz
Impedance	50Ω
3) Connector(s)	NE or E-DIN 1 port / bottom
1) VSWR	≤ 1.43:1
Polarization	Vertical
1) Gain	10 dBd
2) Power Rating	500 W
1) Half Power Angle	
H-Plane	360°
E-Plane	7°
1) Electrical Downtilt	1.25°
1) Null Fill	5%
Lightning Protection	Direct Ground

1) Typical values.

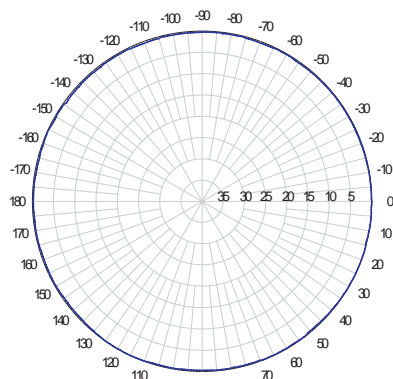
2) Power rating limited by connector only.

3) NE indicates an elongated N connector.
E-DIN indicates an elongated DIN connector.

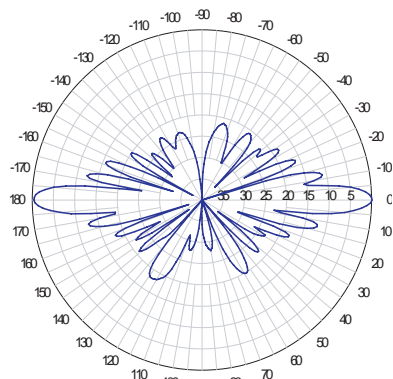
4) The antenna weight listed above does not include the bracket weight.

Improvements to mechanical and/or electrical performance of the antenna may be made without notice.

Radiation pattern¹⁾



Horizontal



Vertical

Radiation patterns for all antennas are measured with the antenna mounted on a fiberglass pole.



Amphenol Antel's Exclusive 3T (True Transmission Line Technology) Antenna Design:

- A 1¼" four-channel extrusion running the entire length of the antenna for unmatched strength and rigidity.
- Durable brass feedline design that eliminates the need for conventional solder joints in the signal path.
- A non-collinear system with access to every radiating element for broad bandwidth and superior performance.
- Air as insulation for virtually no internal signal loss.

This Amphenol Antel antenna is under a five-year limited warranty for repair or replacement.

Inverted Models Available.

870-960 MHz

